	Application No.	Applicant(s)
Notice of Allowability	10/521,618	SOMEYA, KAORU
	Examiner	Art Unit
	Richard Chan	2618
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. This communication is responsive to 12/0707.		
2. The allowed claim(s) is/are 14-17.		
<ul> <li>3.</li></ul>		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1)  hereto or 2)  to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)	5. Notice of Informal F	Patent Annlication
<ol> <li>Notice of References Cited (PTO-892)</li> <li>D Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>	6. ☐ Interview Summary	• •
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Da 7.  Examiner's Amendi	
Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance
of Biological Material	9.	

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## **DETAILED ACTION**

## Allowable Subject Matter

- 1. Claims 14-17 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

With respect to claims 14, 16, and 17 the prior discloses a radio wave reception device comprising: a radio wave reception unit which is capable of receiving arbitrary radio wave signals through antenna having different frequencies, and which converts a received arbitrary radio wave signal into an electric signal and outputs the electric signal; a frequency conversion unit which synthesizes the electric signal output from the radio wave reception, and a detection unit combined which demodulates the signal having the intermediate frequency fi output from the frequency conversion unit,

However the prior art specifically disclose wherein an oscillation unit which includes a frequency determining section which determines a frequency f0 in accordance with an equation: (Ifl±fil/pI) = ... = (Ifn±fil/pn) = f0 where pI, ..., pn are positive integers and n is an integer equal to or greater than 2, and wherein the equation defines a relationship between the respective frequencies f1, ..., fn of the arbitrary radio wave signals receivable by the radio wave reception unit and an intermediate frequency f1, and wherein the oscillation unit outputs a signal having the frequency f0; a multiplying unit which multiplies the signal having the frequency f0 output from the oscillation unit.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chan whose telephone number is (571) 272-0570. The examiner can normally be reached on Mon - Fri (9AM - 5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571)272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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SUPERVISORY PATENT EXAMINER